

**Massachusetts Department of Conservation and Recreation
Bureau of Fire Control and Forestry
Proposed Timber Harvest Summary
Name: Chandler**

Date Posted: July 18, 2007

End of Comment Period: September 1, 2007

Region:	Western
Recreation District:	Southern
Forest Management District:	SBK
State Forest:	Otis SF
Closest Road:	Chandler Road
Town	Otis

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Stand Description:

1. This is a 13 acre stand which is primarily oak-hardwood but has a varying component of hemlock and white pine. The mean stand diameter is 16 inches and effective age is 90. Topography is relatively level and has some areas of poorly drained soil.
2. This is a 37 acre hemlock hardwood stand with significant numbers of very large white pine. Topography is generally level, soils tend to be damp and there are significant inclusions of poorly drained areas. Tree sizes, species composition and site conditions vary throughout the area.

Aesthetic, Recreation and Wildlife Considerations:

Aesthetic: Slash within 50 feet of Chandler Road will be lopped to within 2 feet of the ground and directional felling will be employed where possible to reduce any aesthetic impact to nearby residences.

Recreation: Recreation in this area is limited to hunting. Snowmobilers use Chandler Road in the winter.

Wildlife: There are no Natural Heritage listed species or sites. There are no certified vernal pools and no uncertified pools have been observed, but the area has several pockets of poorly drained

soils which will be avoided. The sale is abutted on three sides by significant wetlands and has inclusions of small hemlock wetlands. The hemlock/ hardwood stand has many large trees which will be evaluated. Several will be left as legacy trees and at least 2 or 3 cavity trees will be left per acre. An attempt will be made to locate cavity and legacy trees close to the perimeter of the wetlands.

Sale Layout:

A landing will be created on or just off Chandler Road. It will be located beyond the limits of the active town road to avoid aesthetic impact to local residents and to avoid conflict with town snowplowing and maintenance activities. Skid roads will be located to avoid wet soils.

Silviculture:

1. This will be a thinning designed to improve the spacing of the dominant oaks trees while maintaining a mixture of tree species. The stand will be evaluated in 10 or 15 years and will probably be ready for the first of a series of shelterwood harvests.

2. Due to the variability of the site, the harvest will be variable with several goals (a). thin immature hemlock to improve vigor and reduce susceptibility to hemlock woolly adelgid; (b). improve spacing for pine, oak and other hardwood species; (c). create small openings to provide a young component to the forest; (d).harvest mature pine, hemlock and hardwoods. The overall goal of the area is to provide a stand which is grown to a significantly older age than the standard 105 year rotation. The success of this strategy will be dependent upon the lack of impact from the hemlock woolly adelgid.

Stand 2 may be harvested with Stand 1 or may be harvested at a later date depending on market conditions.

Park Supervisor: _____

Date: _____

Regional Director: _____

Date: _____

District Forester: _____

Date: _____

Attached: Topographic map showing location of Forest Products Sale Area

